User’s Guide

Intellex®

Version 4.11

tyco

Part Number 8200-0840-02 A0

Notice

The information in this manual was current when published. The manufacturer reserves the right to revise and improve its products. All specifications are therefore subject to change without notice.

Copyright

Under copyright laws, the contents of this manual may not be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of Sensormatic Electronics. © Copyright 1997-2006, Sensormatic Electronics Corporation.

American Dynamics
6795 Flanders Drive
San Diego, CA 92121-2903 U.S.A.

Customer Service

Thank you for using American Dynamics products. We support our products through an extensive worldwide network of dealers. The dealer through whom you originally purchased this product is your point of contact if you need service or support. Our dealers are empowered to provide the very best in customer service and support. Dealers should contact American Dynamics at (800) 507-6268 or (561) 912-6259 or on the Web at www.americandynamics.net.

Trademarks

Intellex® is a registered trademark of Sensormatic Electronics Corporation. IntelleCord™ and Smart Search™ are trademarks of Sensormatic Electronics Corporation. Windows® is a registered trademark of Microsoft Corporation. PS/2® is a registered trademark of International Business Machines Corporation. Sony® is a registered trademark of Sony Corporation.

Trademarked names are used throughout this manual. Rather than place a symbol at each occurrence, trademarked names are designated with initial capitalization. Inclusion or exclusion is not a judgment on the validity or legal status of the term.

Warnings

To reduce risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Do not expose this appliance to rain or moisture.

Do not install this product in hazardous areas where highly combustible or explosive products are stored or used.

This equipment is a Class 1 laser product incorporating a Class 1 laser diode and it complies with FDA radiation performance standards, 21 CFR subchapter J and the Canadian Radiation Emitting Devices Act, REDRC1370.

The lightning flash/arrowhead symbol, within an equilateral triangle, alerts the user to the presence of a shock hazard within the product's enclosure.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the battery manufacturer. Dispose of used batteries according to the battery manufacturer's instructions.

Zur vermeidung eines stromschlages darf das gehäuse nicht entfernt werden. es enthält keine vom benutzer zu wartenden teile. überlassen sie die wartung nur qualifiziertem fachpersonal.

Es besteht die Gefahr einer Explosion, wenn die Batterie nicht ordnungsgemäß ausgetauscht wird.

N205

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This product was FCC verified under test conditions that included the use of shielded I/O cables and connectors between system components. To be in compliance with FCC regulations, the user must use shielded cables and connectors for all except power.

EQUIPMENT MODIFICATION CAUTION

Changes or modifications not expressly approved by Sensormatic, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition

This class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Rack Mounting

Consult with the supplier of your equipment rack for adequate rack mounting means, with proper consideration for the weight of this product.

Consult with the manufacturer of your rack regarding the proper hardware and procedure of mounting this product in a safe and useable fashion

Avoid uneven loading or mechanical instability when rack mounting units.

Make sure that units are installed to get enough air flow for safe operation.

The maximum temperature for rack-mounted units is 35° C.

Avoid uneven loading or mechanical instability when rack mounting units.

Check product label for power supply requirements to assure that no overloading of supply circuits or overcurrent protection occurs.

Mains grounding must be reliable and uncompromised by any connections.

License Information

READ THIS LICENSE AGREEMENT BEFORE OPENING THE DISK PACKAGE, INSTALLING THE SOFTWARE, OR USING YOUR SYSTEM.

THIS LICENSE AGREEMENT DEFINES YOUR RIGHTS AND OBLIGATIONS. BY BREAKING THE SEAL ON THIS PACKAGE, INSTALLING THE SOFTWARE, OR USING YOUR SYSTEM, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS AND CONDITIONS OF THIS AGREEMENT, YOU MAY, WITHIN 30 DAYS, RETURN THIS PACKAGE, ALL THE DOCUMENTATION, AND ALL ACCOMPANYING MATERIAL(S) TO THE POINT OF PURCHASE FOR A REFUND.

SOFTWARE LICENSE

The Software includes the computer code, programs, and files, the associated media, hardware or software keys, any printed material, and any electronic documentation. The Software may be provided to you pre-installed on a storage device (the media) as part of a system. The Software is licensed, not sold.

GRANT OF LICENSE

This agreement between Sensormatic Electronics Corporation (Sensormatic) and you permits you to use the Software you purchased. Once you have purchased the number of copies you require, you may use the Software and accompanying material provided you install and use no more than the licensed number of copies at one time. The Software is only licensed for use with specified Sensormatic supplied equipment. If the Software is protected by a software or hardware key or other device, the Software may be used on any computer where the key is installed. If the key locks the Software to a particular System, the Software may only be used on that System.

OTHER RIGHTS AND LIMITATIONS

- A demonstration copy of the Software is considered purchased and is covered by this license agreement.
- You may not de-compile, disassemble, reverse engineer, copy, transfer, modify, or otherwise use the Software except as stated in this agreement.
- The hardware/software key, where applicable, is your proof of license to exercise the rights granted herein and must be retained by you. Lost or stolen keys will not be replaced.
- If the Software is provided as part of a System, the Software may only be used with the System.
- You may not sub-license, rent or lease the Software, but you may permanently transfer the Software to another party by delivering the original disk and material comprising the Software package as well as this license agreement to the other party. Initial use of the Software and accompanying material by the new user transfers the license to the new user and constitutes the new user's acceptance of its terms and conditions.
- The Software is not fault tolerant and may contain errors. You agree that the Software will not be used in an environment or application in which a malfunction of the Software would result in foreseeable risk of injury or death to the operator of the Software, or to others.
- Sensormatic reserves the right to revoke this agreement if you fail to comply with the terms and conditions of this agreement. In such an event, you must destroy all copies of the Software, and all of its component parts (e.g., documentation, hardware box, software key).
- The Software may contain software from third parties that is licensed under a separate End User License Agreement (EULA). Read and retain any license documentation that may be included with the Software. Compliance with the terms of any third party EULA is required as a condition of this agreement.
- The Software may require registration with Sensormatic prior to use. If you do not register the Software this agreement is automatically terminated and you may not use the Software.
- The Microsoft® Windows® Preinstallation Environment Version 1.2, Services Edition software, if included with this software or system, may be used for boot, diagnostic or recovery purposes only. NOTE: THIS SOFTWARE CONTAINS A SECURITY FEATURE THAT, IF USED AS AN OPERATING SYSTEM, WILL CAUSE YOUR DEVICE TO REBOOT WITHOUT PRIOR NOTIFICATION AFTER 24 HOURS OF CONTINUOUS USE OF THE SOFTWARE.
- **UPGRADES AND UPDATES.** Software Upgrades and Updates may only be used to replace all or part of the original Software. Software Upgrades and Updates do not increase the number copies licensed to you. If the Software is an upgrade of a component of a package of Software programs that you licensed as a single product, the Software may be used and transferred only as part of that single product package and may not be separated for use on more than one computer. Software Upgrades and Updates downloaded free of charge via a Sensormatic authorized World Wide Web or FTP site may be used to upgrade multiple systems provided that you are licensed to use the original Software on those systems.
- **INTELLEX PLAYER.** The Intellex Player Software that is exported with video clips and/or distributed via Sensormatic authorized World Wide Web site may be copied by you for use within your organization or for distribution to external parties for law enforcement, investigative, or adjudicative purposes and only to display video recorded by an Intellex system. The Intellex Player Software may not be sold. All other terms and conditions of this agreement continue to apply.
- **TOOLS AND UTILITIES.** Software distributed via Sensormatic authorized World Wide Web or FTP site as a tool or utility may be copied and installed without limitation provided that the Software is not distributed or sold and the Software is only used for the intended purpose of the tool or utility and in conjunction with Sensormatic products. All other terms and conditions of this agreement continue to apply.

Failure to comply with any of these restrictions will result in automatic termination of this license and will make available to Sensormatic other legal remedies.

COPYRIGHT

The Software is a proprietary product of Sensormatic and is protected by both the United States and International copyright laws.

LIMITED WARRANTY

Sensormatic warrants that the recording medium on which the Software is recorded, hardware key, and the documentation provided with it, will be free of defects in materials and workmanship under normal use for a period of ninety (90) days from the date of delivery to the first user. Sensormatic further warrants that for the same period, the software provided on the recording medium under this

license will substantially perform as described in the user documentation provided with the product when used with the specified hardware.

CUSTOMER REMEDIES

Sensormatic's entire liability and your exclusive remedy under this warranty will be, at Sensormatic's option, to a). attempt to correct software errors with efforts we believe suitable to the problem, b). replace at no cost the recording medium, software or documentation with functional equivalents as applicable, or c). refund the license fee and terminate this agreement. Any replacement item will be warranted for the remainder of the original warranty period. No remedy is provided for failure of the Software if such failure is the result of accident, abuse, alteration or misapplication. Warranty service or assistance is provided at the original point of purchase.

NO OTHER WARRANTIES

The above warranty is in lieu of all other warranties, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose. No oral or written information or advice given by Sensormatic, its representatives, distributors or dealers shall create any other warranty, and you may not rely on such information or advice.

NO LIABILITY FOR CONSEQUENTIAL DAMAGES

In no event will Sensormatic be liable to you for damages, including any loss of profits, loss of data or other incidental or consequential damages arising out of your use of, or inability to use, the Software or its documentation. This limitation will apply even if Sensormatic or an authorized representative has been advised of the possibility of such damages. Further, Sensormatic does not warrant that the operation of the Software will be uninterrupted or error free. This limited warranty gives you specific legal rights. You may have other rights that vary from state to state. Some states do not allow the exclusion of incidental or consequential damages, or the limitation on how long an implied warranty lasts, so some of the above limitations may not apply to you.

GENERAL

If any provision of the agreement is found to be unlawful, void, or for any reason unenforceable, then that provision shall be severed from this agreement and shall not affect the validity and enforceability of the remaining provisions. This agreement is governed by the laws of the State of Florida. You should retain proof of the license fee paid, including model number, serial number and date of payment, and present such proof of payment when service or assistance covered by this warranty is requested.

U.S. GOVERNMENT RESTRICTED RIGHTS

The software and documentation are provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 or subparagraph (c)(1) and (2) of the Commercial Computer Software-Restricted Rights at 48 CFR 52.227-19, as applicable. Manufacturer is Sensormatic Electronics Corporation, 6600 Congress Avenue, Boca Raton, FL, 33487.

Important Information

Before proceeding, please read and observe all instructions and warnings contained in this manual. Retain this manual with the original bill of sale for future reference and, if necessary, warranty service.

When unpacking your Intellex unit, check for missing or damaged items. If any item is missing, or if damage is evident, DO NOT INSTALL OR OPERATE THIS PRODUCT. Contact Sensormatic or your dealer for assistance.

For your Records

Complete the following product purchase information. The factory requests this information when contacted for technical support. It is also valuable in case of loss or theft.

Purchase Date:

Serial Number:

License Key

The Intellex 4.1 software is protected from unauthorized use by a software license key. This key matches the electronic hardware of your system with the authorized software version and feature level of your software to permit proper operation of your system. Any changes to the network adapter in your unit, removal or modification of the license file, or replacement of the system disk will affect normal operation and will require installation of a new license file. Please contact your authorized Sensormatic representative for more information.

Contents

The Intellex System

Managing Digital Video 1
Basic features 1
Optional Features 2

Basic Features

Getting Started 3
Logging In 3
Main Screen 3
Controls 4
Changing the Look of the Live Display 5
Zooming in 5
Utility Options 6
Checking Camera Status 7
Finding Video Segments 8
Viewing Live Video 9
Start Camera Sequencing 9
Stop Camera Sequencing 9
Controlling a Dome Camera 10
Quick Camera Controls 11
Controlling the Pan-Tilt Control via Mouse 11
Zoom via Mouse Scroll Wheel 11
Pattern and Preset Camera Controls 11
Selecting a Pattern 12
Defining a Pattern 12
Selecting a Preset 12
Defining a Preset 13
Configuring a Dome Camera 13
Exporting Video 14
Managing Alarms 15
Generating Alarms 15
Reviewing Alarms 15
Playing Back Video Clips 16
Slider Control 16
Jog Shuttle Control 16
Playback from External Sources 17
Archiving Video 18
Archiving to Tape 18

While Recording 18
After Stopping Recording 18
Restoring Images from Tape 19
Playing Restored Images 19
Resetting Archive Flags 19
Updating License Information 20

Advanced Features

Searching for Video Segments 21
Searching by Date/Time 21
Searching by Camera 22
Searching by Alarms 22
Searching Using Filters 22
Searching Using Text Associated with Cameras 23
Searching by String 23
Advanced Searches 23
Text Options 24
Adding, Editing, or Deleting a Text Stream 24
Associating Text Streams with Cameras 26
Generating Receipt Definitions 26
Adding, Editing, Deleting, or Importing Receipt Definitions 26
Generating Text Alarms 27
Using Advanced Text Exceptions 27
Advanced Searching with Motion Exception 28
Motion Exception vs. Motion Detection 28
Searching by Motion Exception 29
Setting Up the Target Area 30
Adjusting Target Area Settings 30
Determining Minimum Object Size 31
Specifying an Object's Direction 31
Specifying an Object's Minimum Speed 32
Environmental Factors 32
Viewing an Activity Log 34
Monitoring Hard Drive Health 35
Exiting Intellex 35
Exiting to Windows 35

Index **37**

The Intellex System

Managing Digital Video

The Intellex is an intelligent DVMS (Digital Video Management System) that combines video multiplexing, recording, and viewing of up to 16 cameras, local and remote camera control, alarm/event detection and notification, video and text analysis (IntelleCord and Smart Search) and much more.

Depending on equipment configuration, the Intellex can display multi-channel live video and output live audio; record multiple video channels, text streams and one audio channel; play back recorded multi-channel video with associated audio and text; perform video analysis and text exception monitoring; export data; archive data; perform comprehensive video and text searching; and host multiple remote users. Depending on equipment configuration and remote connections, you can perform these and other tasks simultaneously.

Intellex is offered in desktop, rack mounted chassis, and platforms configured with Classic, Deluxe, or Premier packages, each containing pre-configured hardware and software features.

Basic features

- Simultaneous viewing, recording, playback, transmitting, database searching, exporting and archiving
- Uses ACC (Active Content Compression), a proprietary patented highly efficient video compression and decompression method
- Intelligent recording (IntelleCord). Recording based on alarms: preconfigured video and text filters, mechanical inputs, local and remote generated alarms and video loss. Always recording plus response to alarms and/or recording only in response to alarms
- Selective Image Recall (Smart Search). Database search based on video and text filters configured after-the-fact, preconfigured video and text filters, mechanical inputs, local and remote generated alarms and on video loss
- Regular and Custom Schedules--now including Custom Weekends
- Dome control including, pan, tilt, zoom, focus and iris, as well as programming American Dynamics domes
- User-defined camera handlers
- Export video, text and audio to external storage. May be CD, DVD, removable and network drives
- E-mail notification of system events
- Hard disk drive monitoring
- Remote access and management through Network Client and Intellex API 3rd party programs (limited to API functions programmed)

    View live video

    Retrieve and play back video, text and audio

    Remotely configure Intellex settings
- Windows XP operating system platform

Optional Features

- Archive Manager module allows for data archiving (video, text and audio) to network attached storage devices and retrieval using Network Client.
- Policy Manager module integrates with Microsoft Windows security to provide Intellex with Advanced Security for managing and restricting user and user group access to Intellex resources and functions locally and remotely by Network Client and Intellex API 3rd party applications.

Getting Started

To configure security, see the Intellex Installation and Configuration Guide. The system administrator must grant privileges to access, set, or change features.

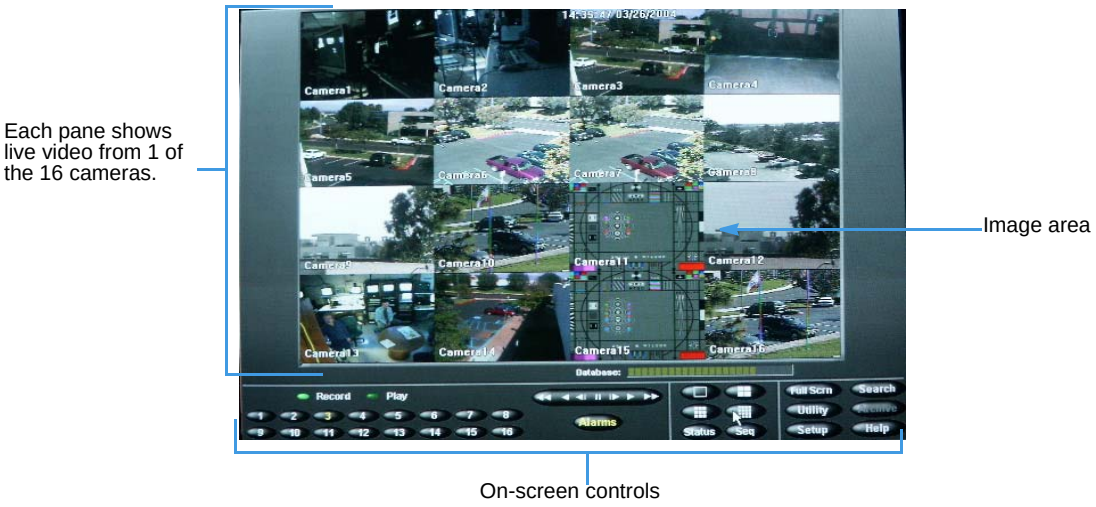
Logging In

1 Using the mouse, enter the 1- to 8-character PIN (Personal Identification Number) code the system administrator assigned. Click ← to erase an entry.

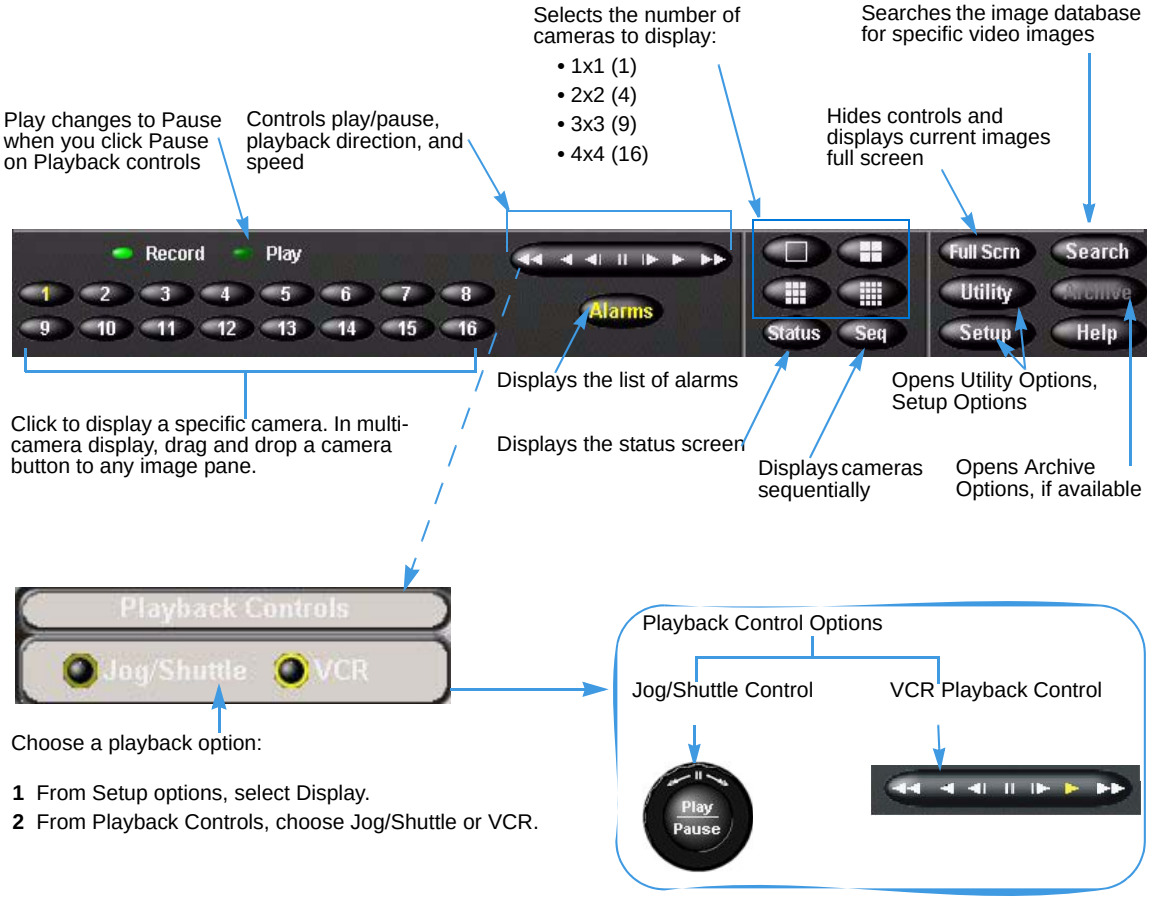
2 Click OK. The main screen appears.

Main Screen

Displays video from 1–16 cameras. Here, the screen displays live images from 4×4 (16) cameras.



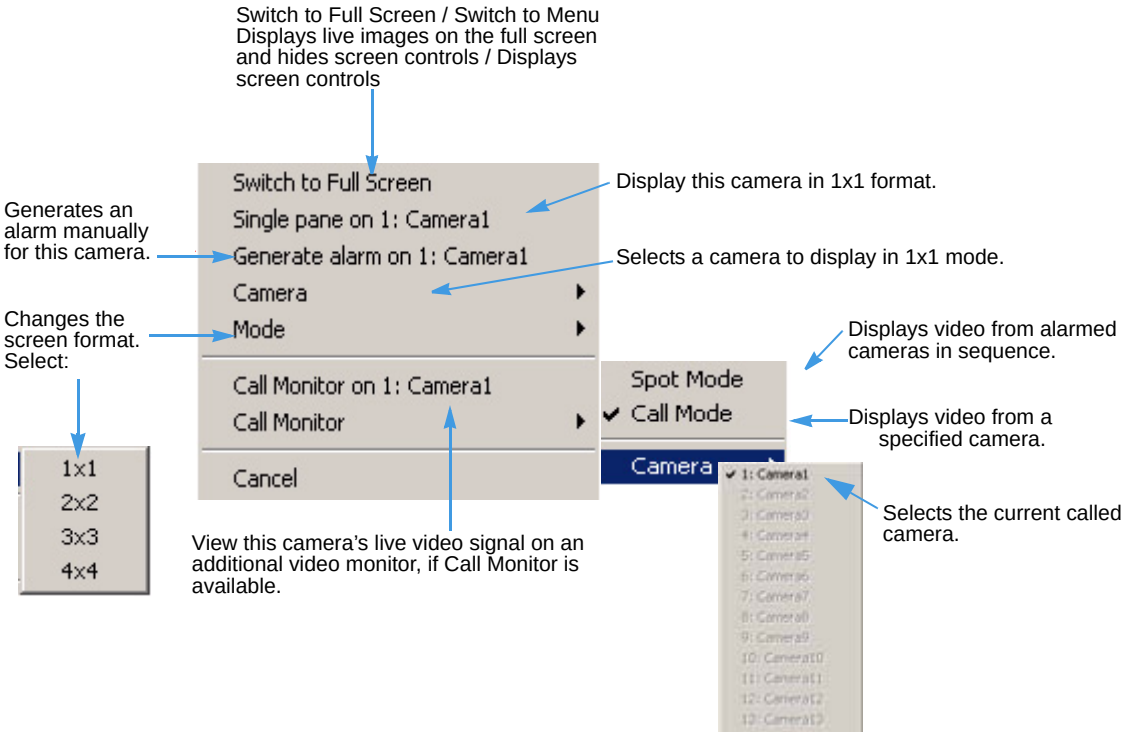
Controls



1 From Setup options, select Display.
2 From Playback Controls, choose Jog/Shuttle or VCR.

Changing the Look of the Live Display

Right-click an image. This menu appears.


Switch to Full Screen / Switch to Menu
Displays live images on the full screen and hides screen controls / Displays screen controls
Switch to Full Screen
Single pane on 1: Camera1
Generate alarm on 1: Camera1
Camera
Mode
Call Monitor on 1: Camera1
Call Monitor
Cancel
Display this camera in 1x1 format.
Generates an alarm manually for this camera.
Selects a camera to display in 1x1 mode.
Changes the screen format. Select:
Displays video from alarmed cameras in sequence.
Spot Mode
Call Mode
Displays video from a specified camera.
Camera
1x1
2x2
3x3
4x4
Selects the current called camera.
View this camera's live video signal on an additional video monitor, if Call Monitor is available.

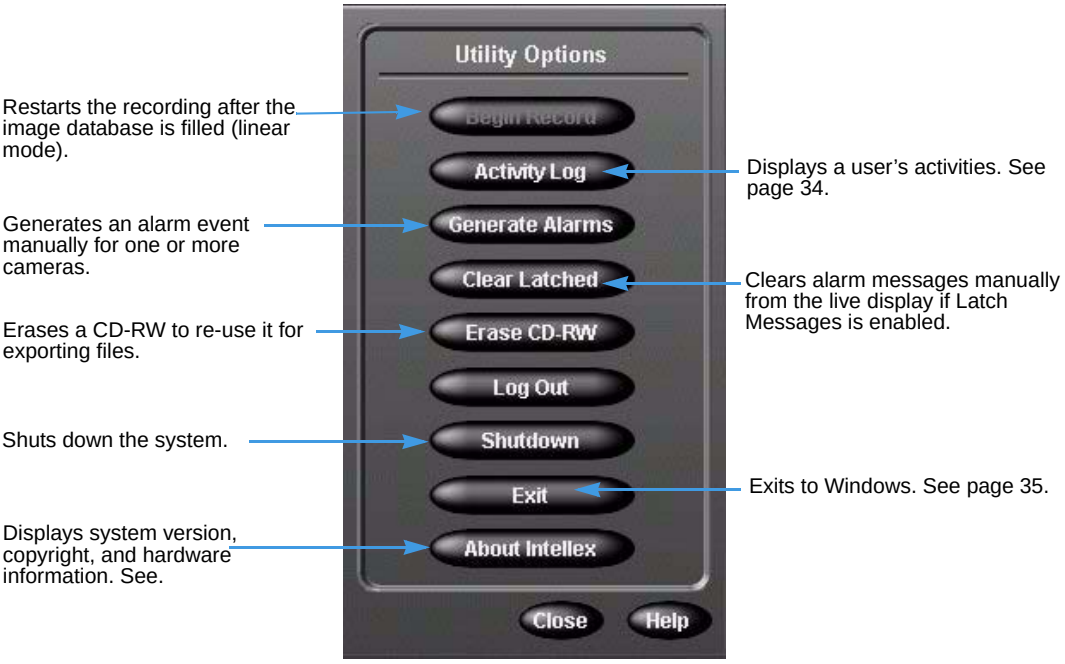
Zooming in

At any time, zoom in on an area of the live image to more closely observe activity from a camera.

1. Move the cursor over the image to display it in a single pane.
2. Click to fill the entire image area with this camera image. The cursor changes to .
3. To return to the previous display mode:
   - Click it again.
   - Click the camera to full size.
4. Move the cursor over the image to enlarge.
5. Click and drag to define the area to enlarge.

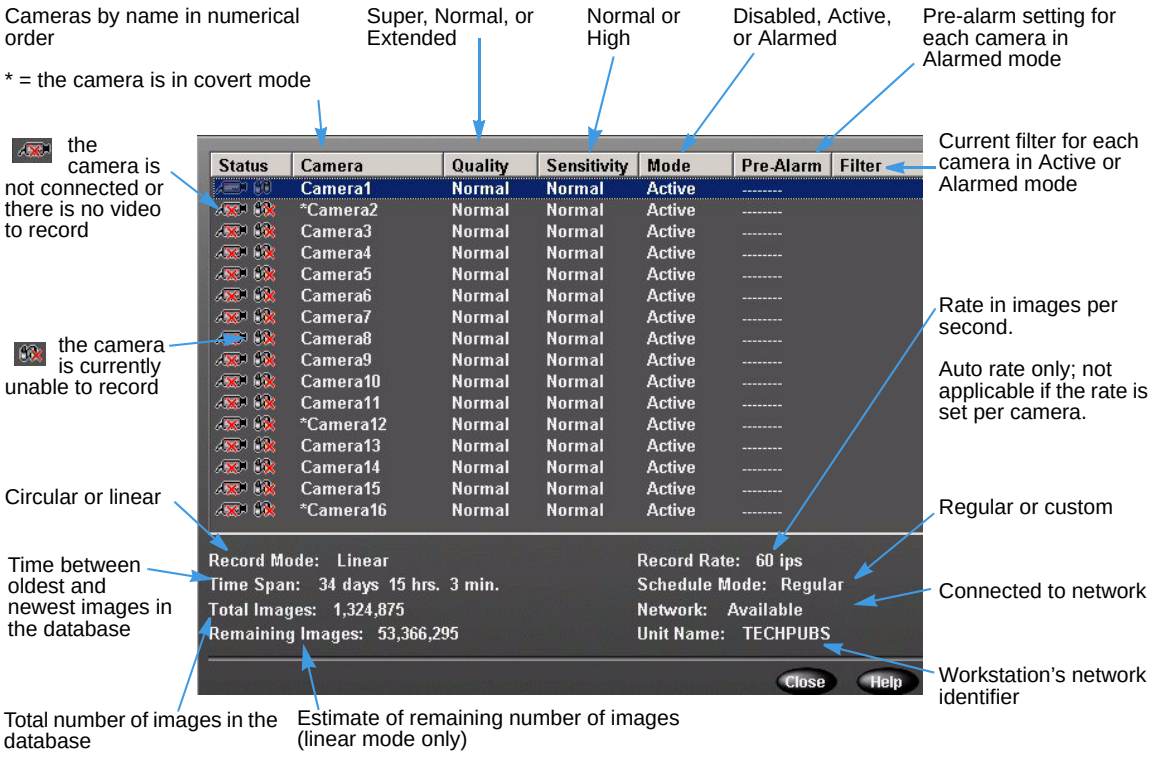
Utility Options

From the main screen, click Utility**.**


Utility Options
Begin Record
Activity Log
Generate Alarms
Clear Latched
Erase CD-RW
Log Out
Shutdown
Exit
About Intellex
Close
Help
Restarts the recording after the image database is filled (linear mode).
Generates an alarm event manually for one or more cameras.
Erases a CD-RW to re-use it for exporting files.
Shuts down the system.
Displays system version, copyright, and hardware information. See.
Displays a user's activities. See page 34.
Clears alarm messages manually from the live display if Latch Messages is enabled.
Exits to Windows. See page 35.

Checking Camera Status

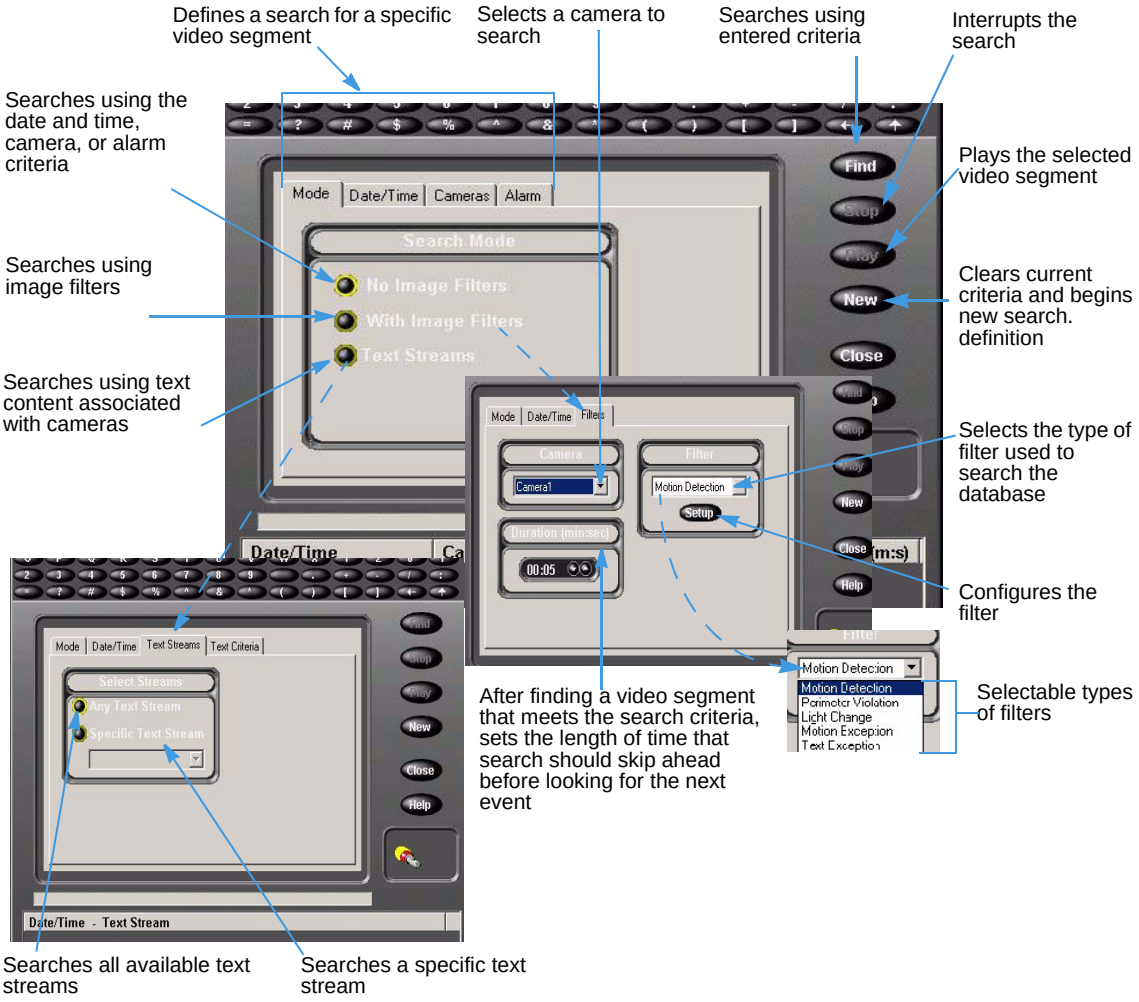
From the main screen, click Status.


Cameras by name in numerical order
* = the camera is in covert mode
Super, Normal, or Extended
Normal or High
Disabled, Active, or Alarmed
Pre-alarm setting for each camera in Alarmed mode
the camera is not connected or there is no video to record
the camera is currently unable to record
Current filter for each camera in Active or Alarmed mode
Rate in images per second.
Auto rate only; not applicable if the rate is set per camera.
Circular or linear
Regular or custom
Time between oldest and newest images in the database
Connected to network
Workstation's network identifier
Total number of images in the database
Estimate of remaining number of images (linear mode only)
Status
Camera
Quality
Sensitivity
Mode
Pre-Alarm
Filter
Camera1 Normal Normal Active --------
*Camera2 Normal Normal Active --------
Camera3 Normal Normal Active --------
Camera4 Normal Normal Active --------
Camera5 Normal Normal Active --------
Camera6 Normal Normal Active --------
Camera7 Normal Normal Active --------
Camera8 Normal Normal Active --------
Camera9 Normal Normal Active --------
Camera10 Normal Normal Active --------
Camera11 Normal Normal Active --------
*Camera12 Normal Normal Active --------
Camera13 Normal Normal Active --------
Camera14 Normal Normal Active --------
Camera15 Normal Normal Active --------
*Camera16 Normal Normal Active --------
Record Mode: Linear
Time Span: 34 days 15 hrs. 3 min.
Total Images: 1,324,875
Remaining Images: 53,366,295
Record Rate: 60 ips
Schedule Mode: Regular
Network: Available
Unit Name: TECHPUBS
Close
Help

Finding Video Segments

Find video segments based on Date and Time, Camera, Alarm, or Text criteria. See page 21.

From the main screen, click Search. The Search Mode screen appears.



Viewing Live Video

Start Camera Sequencing

1. From the main screen, select a mode for the video display.
2. On the control tool bar, click Seq.

Display Mode	Stationary Live Images	Sequencing Images
Single	None.	Single pane displays the sequencing cameras.
2×2	Panes 1–3 display stationary live images from cameras 1–3.	Pane 4 sequences through live images from cameras 4–16.
3×3	Panes 1–8 display stationary live images from cameras 1–8.	Pane 9 sequences through lives images from cameras 9–16.
4×4	Panes 1–16 display stationary live images from cameras 1–16.	None.

Note

The example above illustrates basic mapping from cameras to panes. You can map cameras to different panes (example: camera 1 to pane 16), and map the same camera to multiple panes (example: camera 1 to all 16 panes). The sequencing pane sequences through all cameras not currently displaying in a stationary pane.

Stop Camera Sequencing

- On the control toolbar, click Seq. Sequencing stops and cameras display in the previous stationary display mode.
- Click any mode button. Cameras display in an appropriate display mode.
- Click any camera button. The selected camera displays in single-pane display mode.

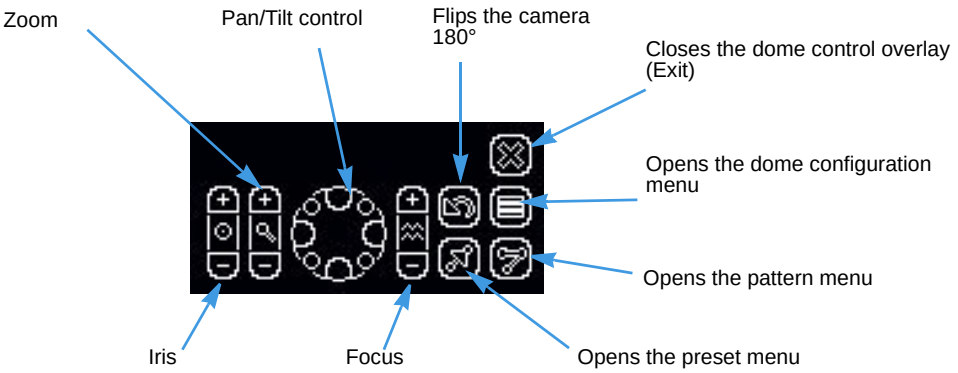
Controlling a Dome Camera

The dome symbol appears with video from a camera with dome control.

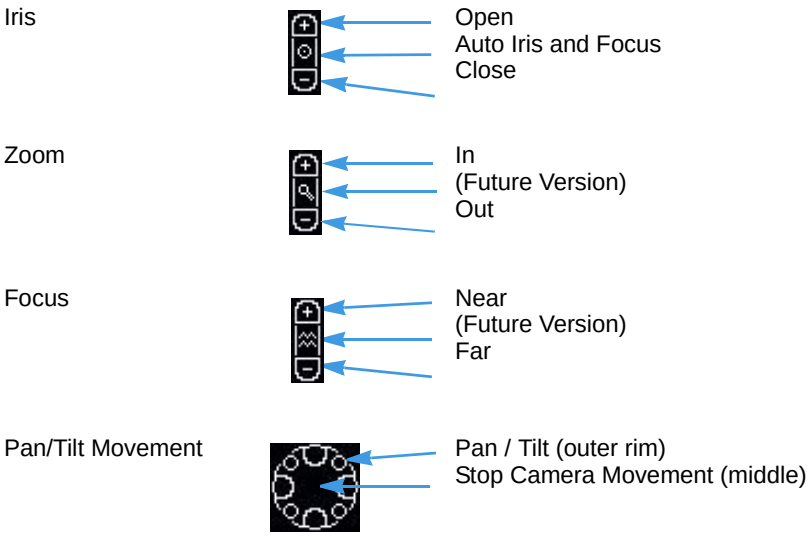
Note

If another user is operating the dome, you may not be able to control it.

- Click in the camera's pane.
- Click the control item on the overlay.



Center buttons allow automatic control: auto iris, auto zoom, and auto focus. The center of the Pan/Tilt Control stops camera movement.

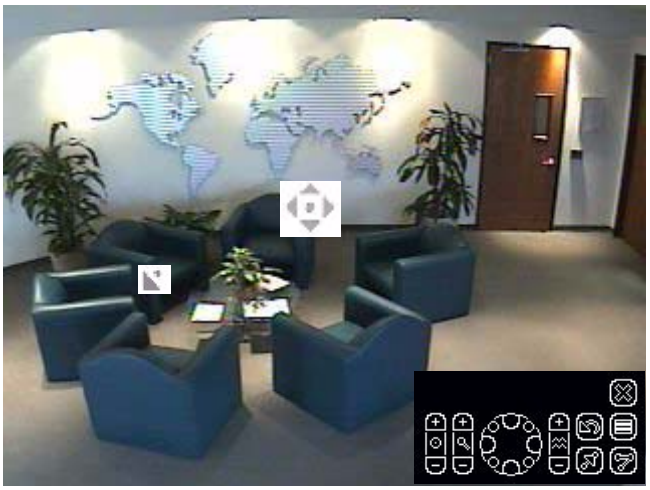


These camera handlers enable access to these dome configuration menus:

- AD168/MP48
- VM96RTT
- VM16/ADTT16
- Pelco Matrix Switch
- AD1024 Matrix
- RS422 Dome
- VM16E/ADTT16E
- USB CCTV

Quick Camera Controls

Start a camera control session to open the quick camera controls.



Controlling the Pan-Tilt Control via Mouse

1. Float the cursor over the center of the video pane. The Cursor Origin Mark appears.
2. Click and drag the cursor to set the direction and speed, then release.
   - The camera's movement speed increases proportionally with the arrow's distance from the cursor origin mark.
   - The camera's direction is relative to cursor origin mark.

Zoom via Mouse Scroll Wheel

- Point the camera at a target.
- Scroll the mouse wheel forward (zoom in) and backwards (zoom out).

Pattern and Preset Camera Controls

Note

Preset and Pattern appear only if they are set up for the selected camera. Use Intellex, Network Client, or a Touch Tracker to program presets and patterns.

Preset and Pattern enable dome control via camera scan modes. They function in the overlay for cameras that use the VM16, VM16E, USB-Sensornet, or VM96RTT camera handlers. USB-Sensornet and VM16E camera handlers let you program presets and patterns for specific dome cameras.

A Preset is a pre-positioned camera scene that you program for cameras installed with pan/tilt and motorized lens capability. A Pattern is a sequence of pan, tilt, zoom, focus and iris movements from a single, programmable dome. The dome learns these movements during programming for later execution. You can run preprogrammed presets and patterns and define presets and patterns without a Touch Tracker.

Selecting a Pattern

1. Click to open the Primary Camera Control menu.
2. Click Pattern for the pattern menu:

3. Select a pattern number.
4. Click to run the pattern.
5. Click Exit to close the Pattern menu.
6. Click to close the Primary Camera Control menu.

Defining a Pattern

1. Click to open the Primary Camera Control.
2. Position the camera for the pattern's start position.
3. Click and select an index for pattern.
4. Click Define Pattern. The Pattern Definition Menu appears.

It resembles the Primary Camera Control menu, except for Start and Stop.

5. Click Start to begin programming the pattern. Use any displayed controls to define the pattern's behavior.
6. To end the pattern, click Stop. The Replace Pattern message appears.
7. To keep the new pattern, click Yes.
8. Click to close the pattern's definition menu.
9. To test the new pattern, select the pattern number and click.
10. Click to close the Pattern menu.
11. Click to close the Primary Camera Control menu.

Selecting a Preset

1. Click to open the Primary Camera Control menu.
2. Click Preset to display the preset menu.

3. Select a preset number.
4. Click to move the camera to the preset position.
5. Click to close the Preset menu.
6. Click to close the Primary Camera Control menu.

Defining a Preset

1. Click to open the Primary Camera Control menu.
2. Position the camera for your preset.
3. Click to display the preset menu.
4. Select a preset number.
5. Click Define Preset to define a preset at this index.
6. When the Replace Preset? message appears, click Yes to program the preset.

The number of available presets is device-dependent.

Configuring a Dome Camera

Cameras using the VM16, VM16E, USB, and VM96 camera handlers can access the dome configuration menu (see the Intellex Installation and Configuration Guide). Information appearing in the menu depends on the dome camera.

1. Select the camera. Click .
2. Click Configuration Menu

   For Pan, Tilt, Focus, and Zoom primary camera controls, see page 10.
3. Navigate to items in the menu using Pan/Tilt . Select the items using Focus . Use Zoom to modify the values.
4. Accept or reject the modified values.
5. Repeat steps 3 and 4 until the camera is configured.
6. Close the Dome Configuration Menu.

Exporting Video

1. Insert blank CD or DVD media into the drive.
2. From the control bar, click Play to begin playback.
3. Move the slider to the location where video clip begins.

4. Click to define the beginning of a video clip.
5. Move the slider to the right to select the length of the video clip.
6. Click to define end of video clip.
7. Click Export. A screen appears with exported video clips.
8. Highlight the clip to export.

Select	Name	Start	End
☑	Clip 1	5/11/2004, 15:42:56	5/12/2004, 18:45:37
☑	Clip 2	5/11/2004, 11:05:22	5/11/2004, 11:05:25
☑	Clip 3	5/17/2004, 10:57:38	5/17/2004, 10:57:39
☑	Clip 4	5/17/2004, 10:59:05	5/17/2004, 10:59:06
☑	Clip 5	5/11/2004, 14:37:18	5/11/2004, 14:37:20
☑	Clip 6	5/11/2004, 14:37:37	5/11/2004, 14:37:37
☑	Clip 7	5/11/2004, 14:37:41	5/11/2004, 14:37:43

9. Click Edit to name the clip.

10. Enter a name. Click Update.
11. (Optional) click Play (default) or Pause to play or pause the video clip.
12. Check the Select box of any additional clips to include in the export.
13. Click Export to export to CD or DVD.
14. The Export Directory dialog appears. Click Include player application on export media to include the Intellex Player.

15. Click Export to CD-R(W) to write the selected video clips to the CD or DVD.
16. Click Export. The export begins.

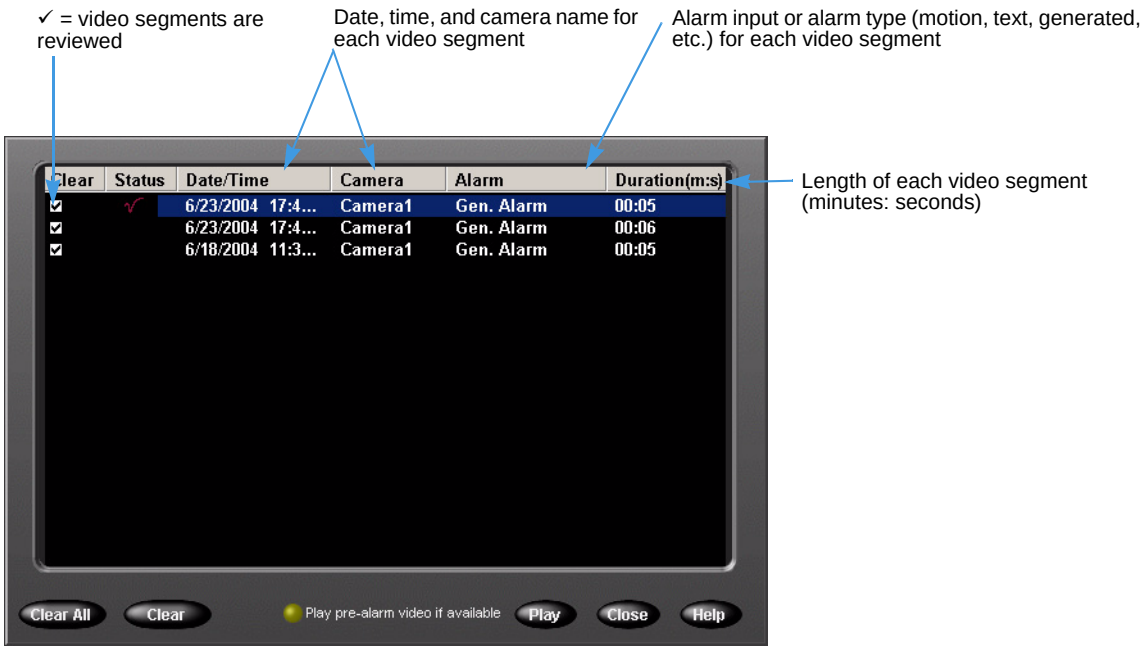
Managing Alarms

Generating Alarms

1. Move the cursor over the camera image where you want to generate an alarm.
2. Right-click. The Image Area menu appears.
3. Select Generate Alarm. The unit generates an alarm for the selected camera and processes it according to your alarm settings.

Reviewing Alarms

1. From the control bar, click Alarms. The alarm review screen appears.



2. Click Clear to clear all checked alarms, or Clear All to clear entire list of alarms.
3. Click Play to play back a video segment containing a recorded alarm.
4. Click Play pre-alarm video if available to play alarm segments starting at the pre-alarm time, if any.

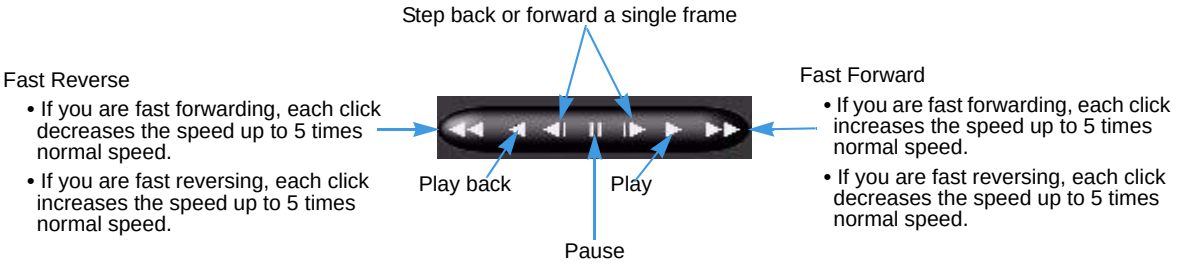
Playing Back Video Clips

1. Click the jog shuttle control or a VCR button to open playback mode.
2. Click a button to select a camera (its number) or cameras (1x1, 2x2, 3x3, 4x4).
3. Drag and drop the selected camera buttons to multi-screen panes.
4. Use the slider to approximate the player's position.
5. Click the jog shuttle control or the VCR's middle button to pause playback mode.
6. Click Close to exit playback mode.

Slider Control

Play, pause, or move through the video stream using the slider and Play/Pause button.

VCR Control


Step back or forward a single frame
Fast Reverse
• If you are fast forwarding, each click decreases the speed up to 5 times normal speed.
• If you are fast reversing, each click increases the speed up to 5 times normal speed.
Play back
Play
Pause
Fast Forward
• If you are fast forwarding, each click increases the speed up to 5 times normal speed.
• If you are fast reversing, each click decreases the speed up to 5 times normal speed.

Jog Shuttle Control

1. Click once to play back video.

2. Click again to pause video.
3. When playing, click and drag the arrow clockwise to increase playback speed or counterclockwise to reduce or reverse playback speed. Click and drag the arrow horizontally to the left or right to achieve the same results.

4. Continue dragging clockwise or counterclockwise to increase or decrease speed from 1–5 times normal speed. The speed increase or decrease appears.
5. When paused, click and drag the arrow clockwise to forward playback in slow motion or counterclockwise to reverse playback in slow motion.

6. Continue dragging clockwise or counterclockwise to increase or decrease speed from 1–5 times slow motion speed. The speed increase or decrease appears.

Playback from External Sources

Intellex can play back clips downloaded to external sources such as CDs, DVDs, flash drives, and network drives.

Note

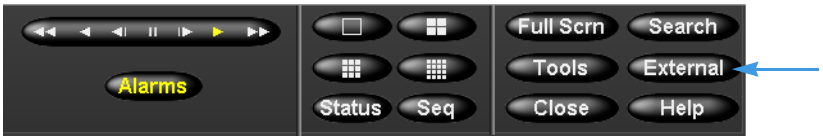
External clips must be saved as .IMG files in order to play.

1 Make sure the external source is available to Intellex:

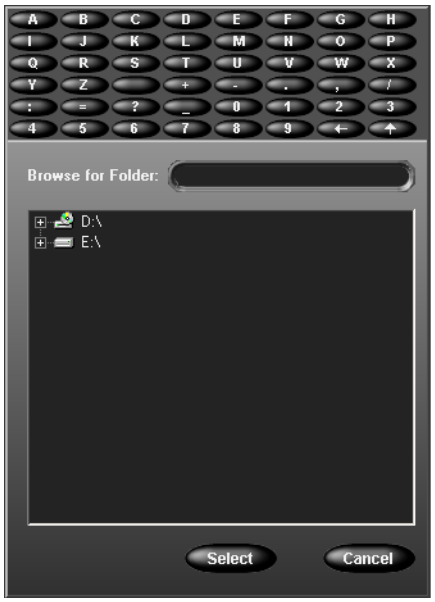
- If the clip is on a CD or DVD, place the disc in the disc drive.
- If the clip is on a flash drive, connect it to the USB port.
- If the clip is on a network drive, make sure the drive is mapped to the Intellex.

2 Press any VCR button from the main screen to open playback mode.

3 Press the External button.



4 A screen listing available external sources appears. Under each source, a list of available clips displays. Click on the appropriate source and navigate to the desired clip.



Note

Drives that are configured as Intellex storage volumes will not display in the list of available external drives.

5 Click Select.

6 The selected clip will play. Clips from external sources respond to the slider, vcr, and jog shuttle controls (page 16). Please note that the Search and Export buttons are not available for clips from external sources.

Archiving Video

Archive video to tape, to a network, or a combination.The new Network Archive functionality allows automatic archiving that you can store off-site.

Note

The Archive button is enabled only when a tape drive is connected to the Intellex unit. For the option of network archiving only, the Archive button is disabled.

Note

See page 14 for using CDs and DVDs.

Archiving to Tape

You can back up the image database while recording or after stopping the recording.

1. From the main screen, select Archive. The Archive Options screen appears.
2. Click Back up images to tape to archive in the background. The Image Database Backup screen appears.

   Note

   Back up images to tape is disabled during combined tape/network archiving.

While Recording

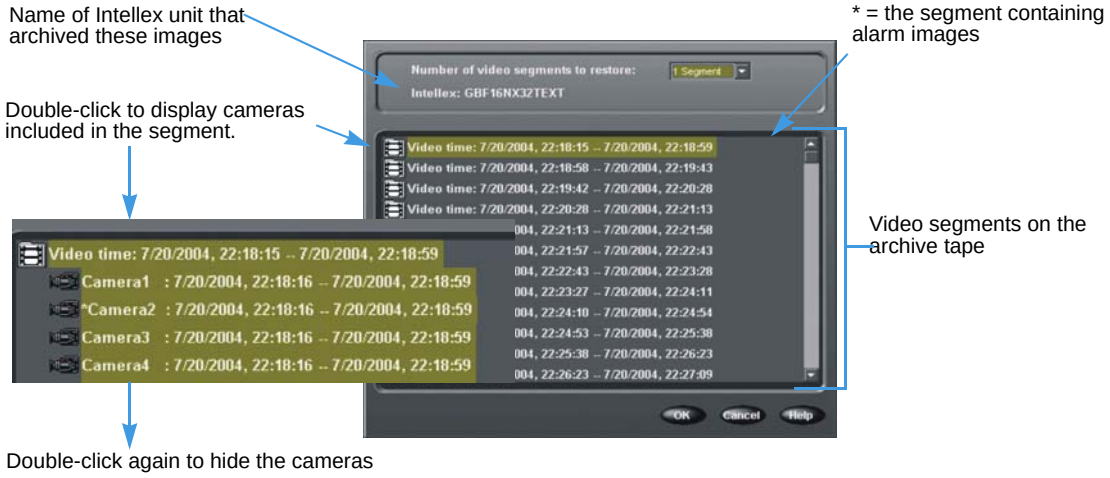
1. Click Back up while recording to archive in the background.
2. Insert a backup tape.
3. After the tape drive's lights stop blinking, click Next. Select 1:
   - Append to the end of the tape to continue archiving after the last saved image on the tape.
   - Overwrite the images on the tape
   - Use a different tape to eject the tape and start over by inserting another tape.

After Stopping Recording

1. Click Stop recording and back up now to stop recording and back up immediately, in the foreground. The unit interrupts normal operation and does not record any images during the backup.
2. Continue as in steps 2 and 3 above.

Restoring Images from Tape

1 Click Restore images from tape to copy images from a backup tape to the system.



2 Select a video segment to restore.

3 Press ▼ to select the number of segments to restore.

4 Click OK. Follow the prompts.

Playing Restored Images

1 Click Play restored images to review images that were copied from a backup tape to the system.

2 Follow the prompts.

Resetting Archive Flags

1 Click Reset archive flags to make all files in the database available for archiving.

2 Follow the prompts.

Note

Reset archive flags is disabled during combined tape/network archiving.

Updating License Information

To upgrade your license information:

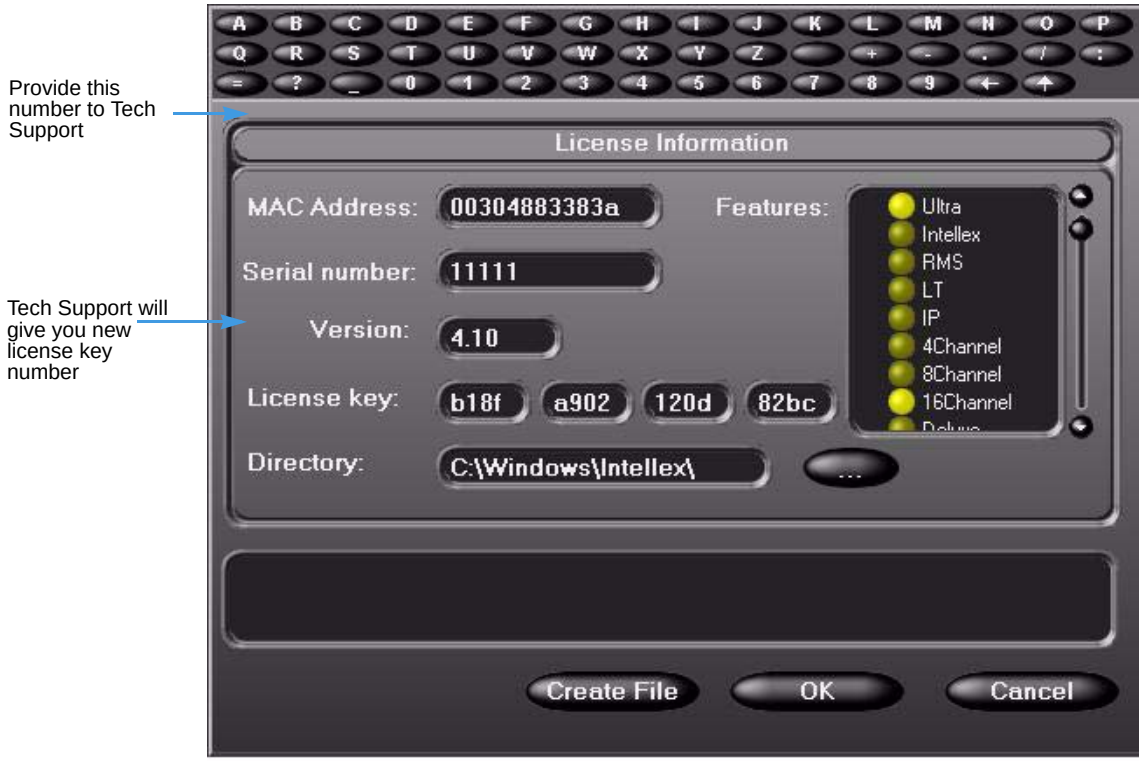
1 From the Utility Options, click About Intellex, then System.

2 Click Upgrade, and the License Information screen appears.

3 From the Features box, you can select the product type:

- Ultra
- Intellex
- RMS
- LT
- IP

Depending on the product you select, you can then select the number of cameras (4, 8, or 16) and features (Deluxe or Premier) associated with that product.



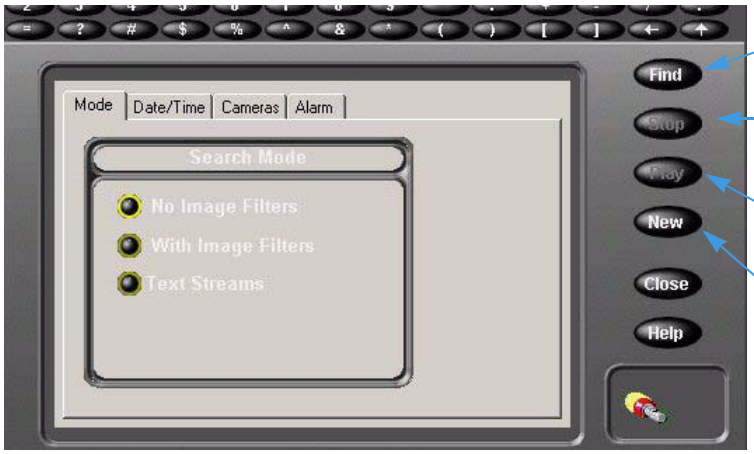
4 To get a new license key for the upgrade, call Tech Support, and supply the MAC Address. They will provide you with the new license key number. Click Create File to create the upgrade.

To configure security, see the Intellex Installation and Configuration Guide. The system administrator must grant privileges to access, set, or change features.

Searching for Video Segments

Use criteria including Date/Time, Filters, and Text to search the image database and text streams.

From the main screen, click Search.



Creates a search using your criteria. Any matches appear in a list.

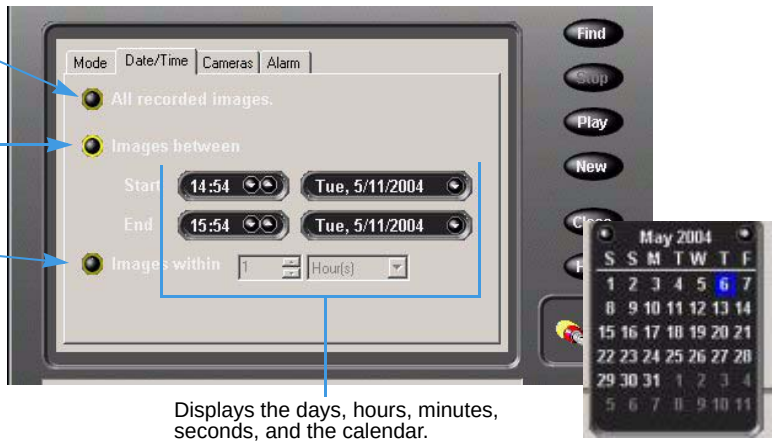
Interrupts the search. The list includes segments found before the interruption.

Plays a segment that is highlighted in the list of results.

Clears your criteria.

Searching by Date/Time

Click the Date/Time tab to search within a specific period.



Includes all segments regardless of the time recorded.

Includes only segments recorded during a time and date range.

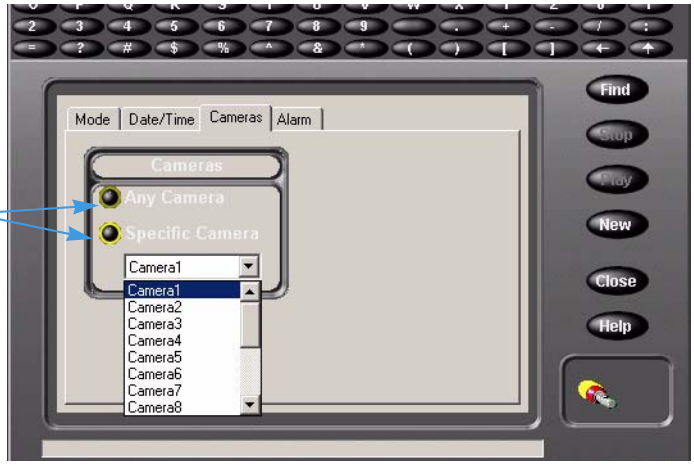
Includes recently recorded segments. Specify a time range from 1 second–60 days.

Displays the days, hours, minutes, seconds, and the calendar.

Searching by Camera

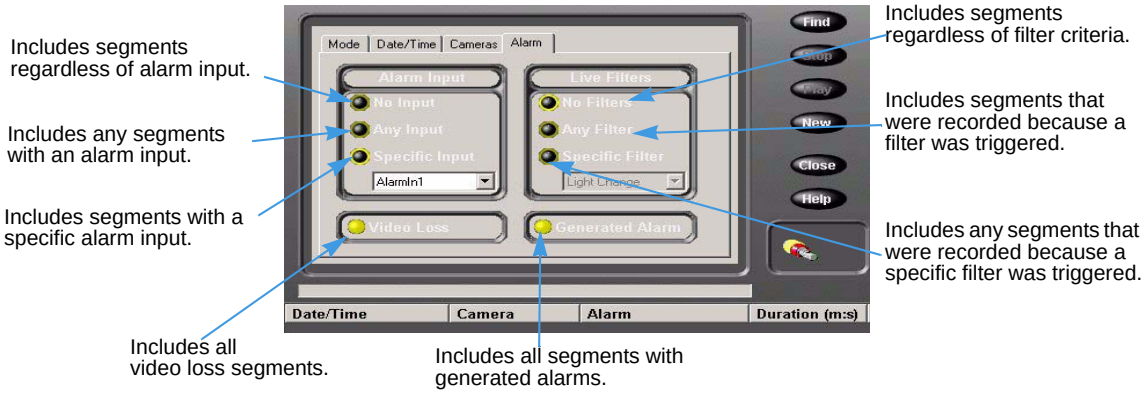
Click Cameras to search for segments by camera.

Include segments from all cameras or a specific camera in the search.



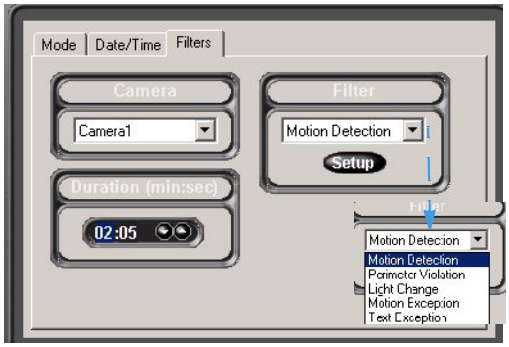
Searching by Alarms

Click Alarms to search for segments based on alarm information.



Searching Using Filters

1. From the Search Mode page, click With Image Filters.
2. Click the Filters tab.
3. Select a camera.
4. Set the length of time that search should skip ahead after a qualified video segment is found.
5. Select the type of filter to search for in the database.
6. Click Setup to configure the filter.



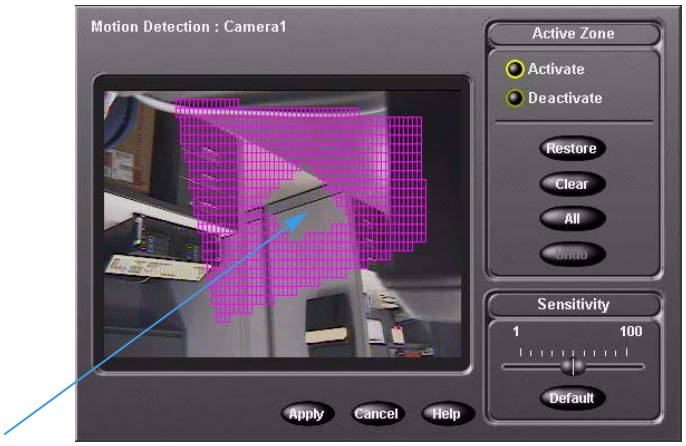
7 To define the filter's target area:

   a When the Activate button is illuminated (default), move the cursor over the image area.

   b Draw the filter boundaries by clicking and moving the mouse to each corner of the target area and clicking again.

   c After enclosing the target area, click again to fill shape.

   d Click the Deactivate button to create a hole in the target area.



8 Set the sensitivity level.

Note

Sensitivity is based on the size of the highlighted area. At higher sensitivity settings, smaller changes trigger the filter. At lower settings, larger changes are required to trigger the filter. Therefore, a large area may require a higher sensitivity for a small amount of movement.

9 Click Apply.

Searching Using Text Associated with Cameras

1 From the Search Mode page, click Text Streams. The search dialog displays criteria tabs: Date/Time**,** Text Streams, and Text Criteria.

2 Select String Search or Advanced Search (does not apply to Intellex IP). The displayed tabs depend on the text search selected. Advanced Search adds the Receipt Definitions tab.

Searching by String

You can search for any string associated with the Intellex or camera.

1 Select String Search.

2 Select the Date/Time tab.

3 Enter Date/Time criteria (optional).

4 Select the Text Streams tab to enter text stream criteria. You can:

- Select Any Text Stream to search all text streams on the Intellex unit
- Select Specific Text Stream. Select a stream from the list.

5 To define your search, click Text Criteria.

Advanced Searches

1 Select Advanced Search.

2 Select the Date/Time tab.

3 Enter Date/Time criteria (optional).

4 Select Text Criteria (optional). This screen displays text exceptions.

Text Options

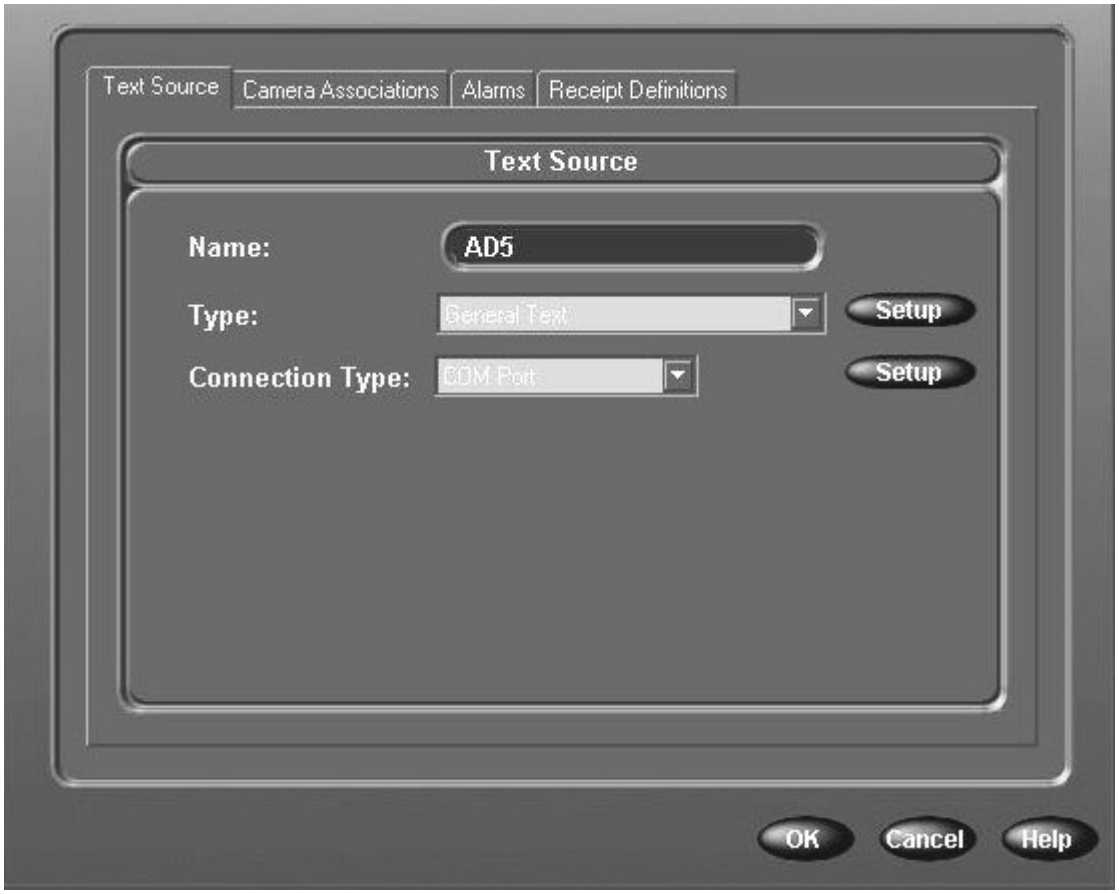
Configure the Intellex unit to record text streams associated with cameras.

Adding, Editing, or Deleting a Text Stream

1 From the main screen, click Setup. The Setup Options screen appears.

2 Click Text. The Text setup screen appears.

3 Click Delete to eliminate a text stream. Click Add or Edit to define or modify a text stream, and the Text Source screen appears.



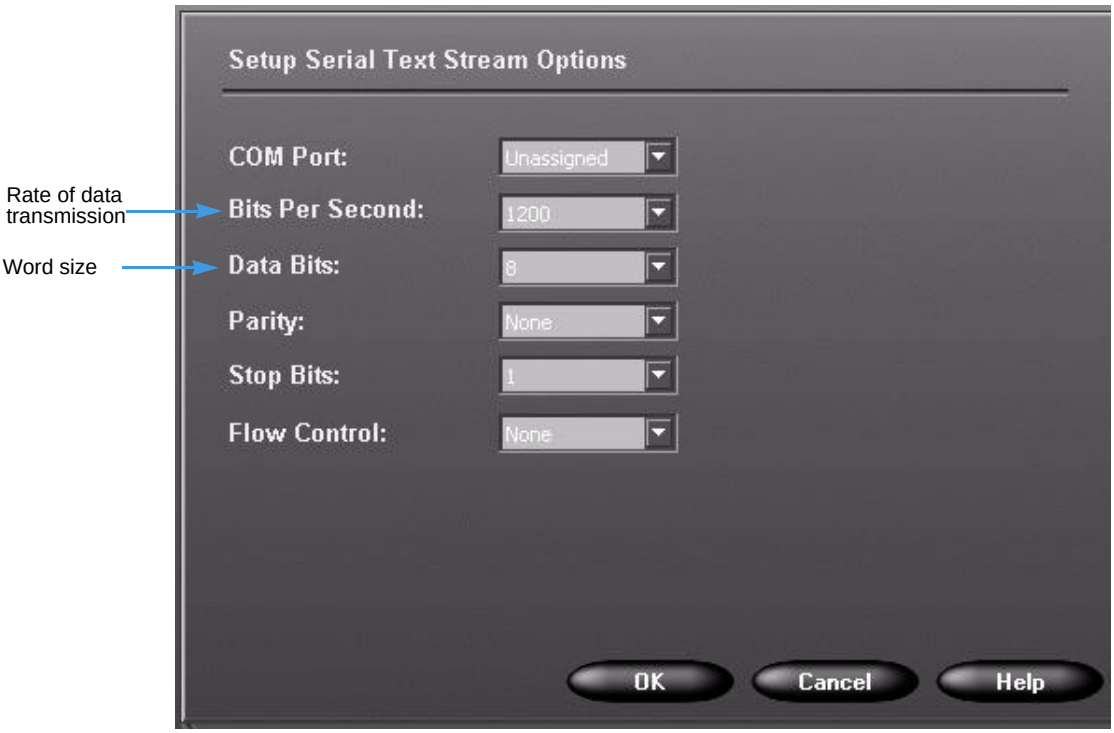
4 In the Name box, enter a name for the text stream.

5 From the Type drop-down box, select a handler type.

6 To define a serial text stream:

a From the Connection Type drop-down box, select COM Port.

b Click Setup next to the Connection Type box. The Setup Serial Text Stream Options screen appears. Select an option from each list. Defaults are shown. Then click OK.

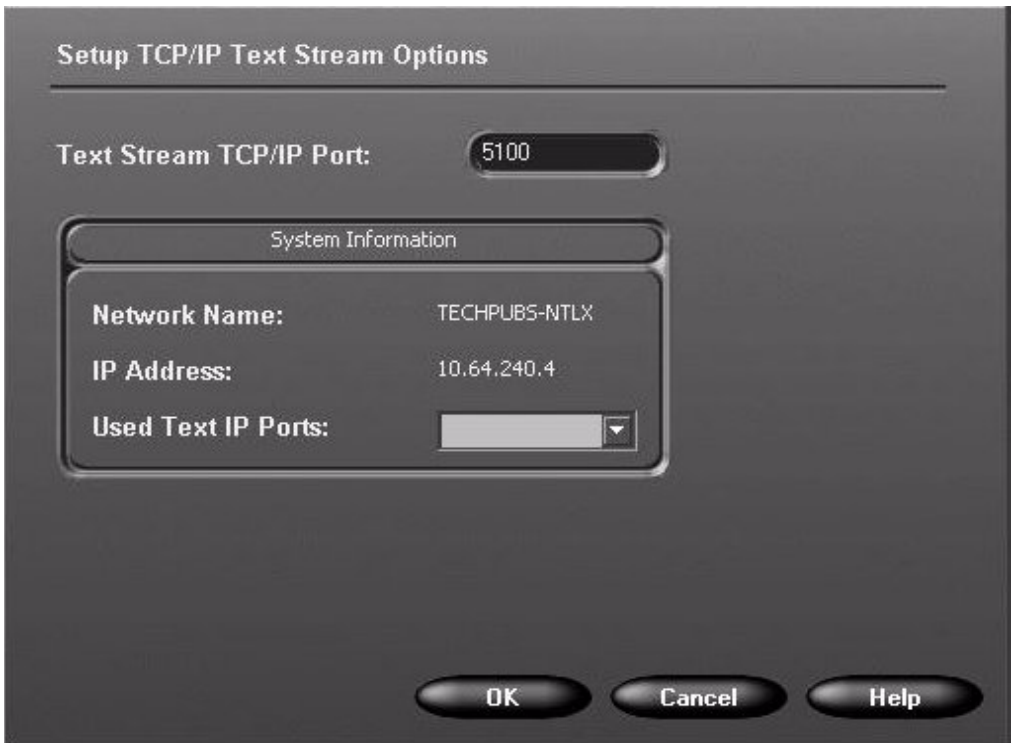


OR

7 To define an IP text stream:

a From the Connection Type drop-down box, select IP Port.

b Click Setup next to the Connection Type box. The Setup TCP/IP Text Stream Options screen appears.



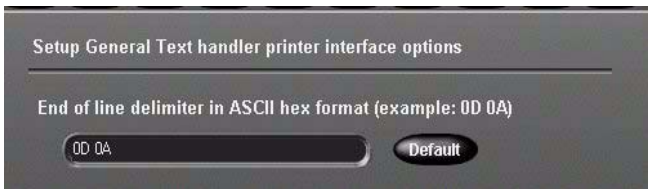
c

8 Highlight a text formatter from the handler Type drop down menu.

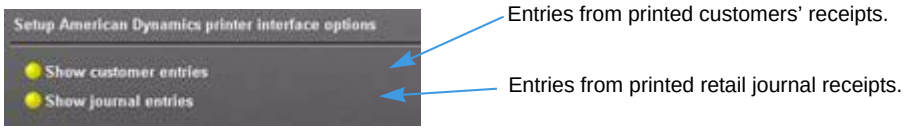
9 Click Setup next to the handler type to access a printer interface.

10 For the General Text handler, enter an end-of-line delimiter to display text lines from a receipt.

- Click Default to reset the box definition to default 0D 0A. Click OK**.**


Setup General Text handler printer interface options
End of line delimiter in ASCII hex format (example: 0D 0A)
0D 0A
Default

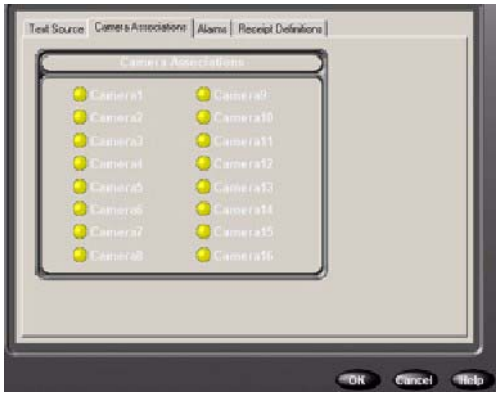
- For the American Dynamics handler, select one or both options to record and display entries. Click OK.


Setup American Dynamics printer interface options
Show customer entries
Show journal entries
Entries from printed customers' receipts.
Entries from printed retail journal receipts.

Associating Text Streams with Cameras

1 From the Text setup screen, select the Camera Associations tab.

2 Click one or more cameras to associate with this text stream.



Generating Receipt Definitions

1 From the Text setup screen, select the Receipt Definitions tab.

2 Click Build Receipts to create and remove receipt definitions.

Adding, Editing, Deleting, or Importing Receipt Definitions

From the Receipt Definitions screen, click an option:

- Add or Edit selects or configures a receipt definition.
- Delete
- Import imports a file containing text receipt definitions.

- Export exports checked receipt definition entries to a specified file.

Enter a name.

From the Transaction Data pane, enter a marker.

Generating Text Alarms

1. From the Text setup screen, select the Alarms tab.
2. Click Apply selected exceptions as a group to generate an alarm for a receipt. This operation applies to text as Intellex receives it from some text device. These conditions must be met:
   - You selected at least two receipt definitions.
   - A receipt definition marker is found in the current receipt.
   - All selected text exceptions report a match for the current receipt.

   Or deselect Apply selected exceptions as a group to generate text alarms on individual text exceptions.

3. Click Build Exceptions to generate advanced text exceptions. The Advanced Text Exceptions screen appears.

Using Advanced Text Exceptions

1. From the Advanced Text Exceptions screen, click Add or Edit to create or modify a text exception.
2. Enter an exception name.
3. Enter a match, or cut and paste from the Transaction Data pane.
4. From the Search Direction box, select Forward (default) or Backward.
5. From the Jump N Results box, select the number of words to skip, after a match is found, to find the associated value. Default = 0.

   OR

   From the Jump N Results box, select To last entry of line to skip a variable number of entries between the last match and the text value in a receipt.

6 From the And Value is box, select an option to return these results:

Option	Results
Less Than	< Value 1 setting
Greater Than	> Value 1 setting
Equal To	= Value 1 setting
Between	Values between Value 1 and Value 2 settings
Found	Any results found
A String	A series of characters in Value 1 box

7 Click Delete to remove the highlighted text exception.

8 Click Import to import a specific file containing text exceptions.

9 Click Export to export highlighted exceptions to a specified file.

Advanced Searching with Motion Exception

Motion exception searches for an event or activity by position, size, direction, and speed of a moving object. Its parameters filter live video or search recorded video to find an event or activity. After applying motion exception parameters, any object meeting your criteria in the target area triggers an alarm.

- This feature applies to the Premier model only.
- On Intellex DVMS and LT, you can configure motion exception on up to 16 cameras. On Intellex Ultra, you can only configure motion exception on up to 8 cameras.
- Motion exception cannot operate if the scheduled record rate is less than 7 ips.
- Motion exception requires a fixed camera or a dome in non-moving (fixed position) mode.
- You can configure one or more motion exception target areas at a time.
- Do not use Auto Rate Mode to configure recording rates when using motion exception filters for alarm generation or search. Always use Camera Selectable Rate Mode and set the minimum rate to 7.5 ips (6.25 for PAL) on cameras using motion exception filters.

Motion Exception vs. Motion Detection

Motion exception:

- Is more effective in performing what if searches.
- Performs detailed motion searches.
- Defines multiple regions of interest in various sizes.
- Specifies size, direction and speed of an object for detection.

Motion detection:

- Reacts to an image within the region of interest.
- Detects any motion that occurs.

Important differences in sensitivity:

Function	Motion Exception	Motion Detection
Reacting to images	Analyzes many images before reacting	Reacts image to image
Best location	Outdoors	Indoors
Best position of the camera	Far from the movement	Close to the movement
Alarms	Likelier to miss alarms, especially in low light	Likelier to generate false alarms, especially in low light
Finding motion while searching	Likelier to find specific motion	Likelier to find any motion
Narrowing the filter or search	Use specific tools	Use the Sensitivity adjustment
Effectiveness	Limited to specific camera views	Effective on most camera views

Neither is effective in low light.

For successful motion exception:

- A faster recording rate is better than a slower one.
- Draw one or more target areas to exclude extraneous activity.
- A target area near the center is better than one near the side.
- Do not increase the target object's size or speed unless required.
- Good quality video feeds are essential.

Standard motion detection can generate many false alarms, as well as valid alarms. Motion exception produces fewer, more detailed alarms than motion detection.

To assess motion filter effectiveness for a single camera:

1. Loop the camera's signal to an unused input (make sure to set the termination properly).
2. Use motion detection on one input and motion exception on the other.
3. Observe the results of both methods and make changes as needed.

To perform a comprehensive search for all types of motion in recorded video, use both methods on the same camera.

Searching by Motion Exception

1. From the main screen, click Search.
2. Select With Image Filters.
3. Click the Filters tab.
4. Select a camera from the Camera menu.
5. Select Motion Exception from the Filters menu. Select a duration (optional).
6. Click Setup.

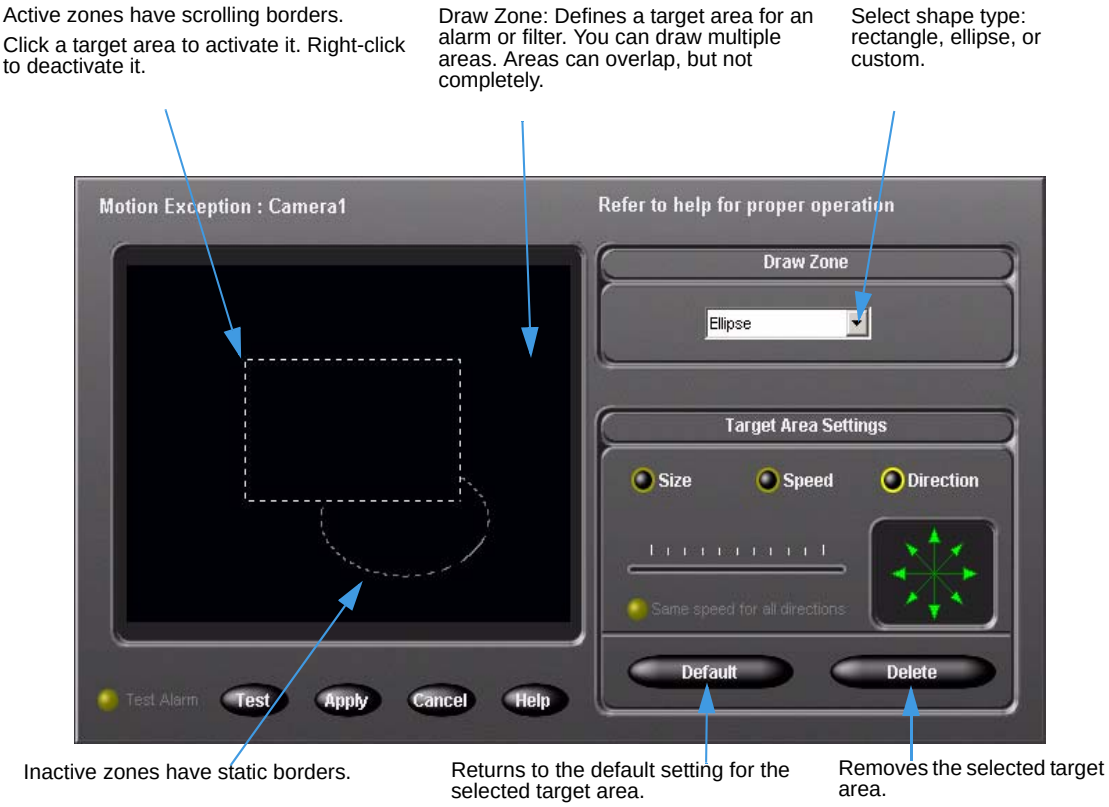
Note

Alternately, access Motion Exception from the Setup menu to trigger an alarm during live video. See the Intellex Installation and Configuration Guide.

Setting Up the Target Area

1 Select the target area's shape from the draw zone list.

2 Click and drag to form the target area. Custom shapes must form an enclosed boundary.


Active zones have scrolling borders.
Click a target area to activate it. Right-click to deactivate it.
Draw Zone: Defines a target area for an alarm or filter. You can draw multiple areas. Areas can overlap, but not completely.
Select shape type: rectangle, ellipse, or custom.
Motion Exception : Camera1
Refer to help for proper operation
Draw Zone
Ellipse
Target Area Settings
Size
Speed
Direction
Same speed for all directions
Default
Delete
Test Alarm
Test
Apply
Cancel
Help
Inactive zones have static borders.
Returns to the default setting for the selected target area.
Removes the selected target area.

3 Configure additional target areas (optional).

To use the default settings for size, speed and direction:

1 Draw target area(s).

2 Click Test to try motion exception filters you configured. The Test Alarm radio button blinks when an object meeting your configuration criteria moves through the target area.

3 Click Apply.

The default settings trigger an alarm for any motion in the target area.

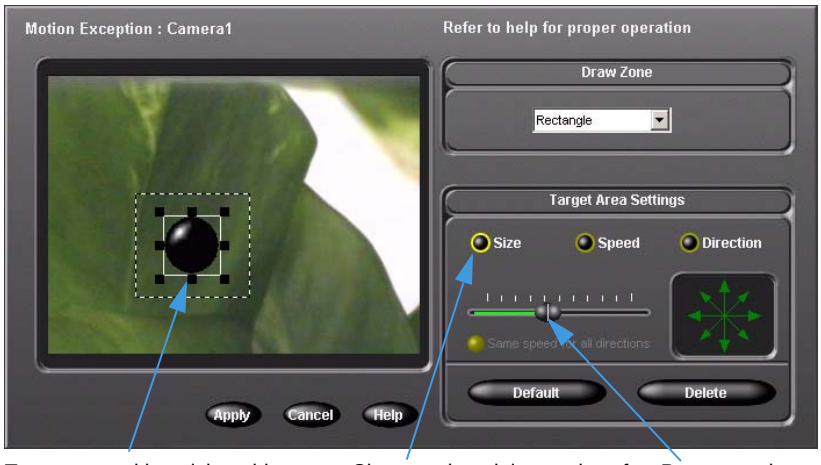
Reduce the number of objects that trigger alarms by adjusting the target area settings.

Adjusting Target Area Settings

Your camera's environment and placement can cause wide variations in recorded video. When using motion exception, configure several filters for each camera. These filters account for the size and speed of different objects, environmental variation, and unwanted object motion.

Determining Minimum Object Size

Click Size to change the default size of an object. An object larger than the selected or default size triggers the alarm.



Target area with a sizing object. Drag its handles to change the object's size and aspect ratio.

Changes the minimum size of an object that triggers an alarm.

Preserves the aspect ratio as size is adjusted.

Specifying an Object's Direction

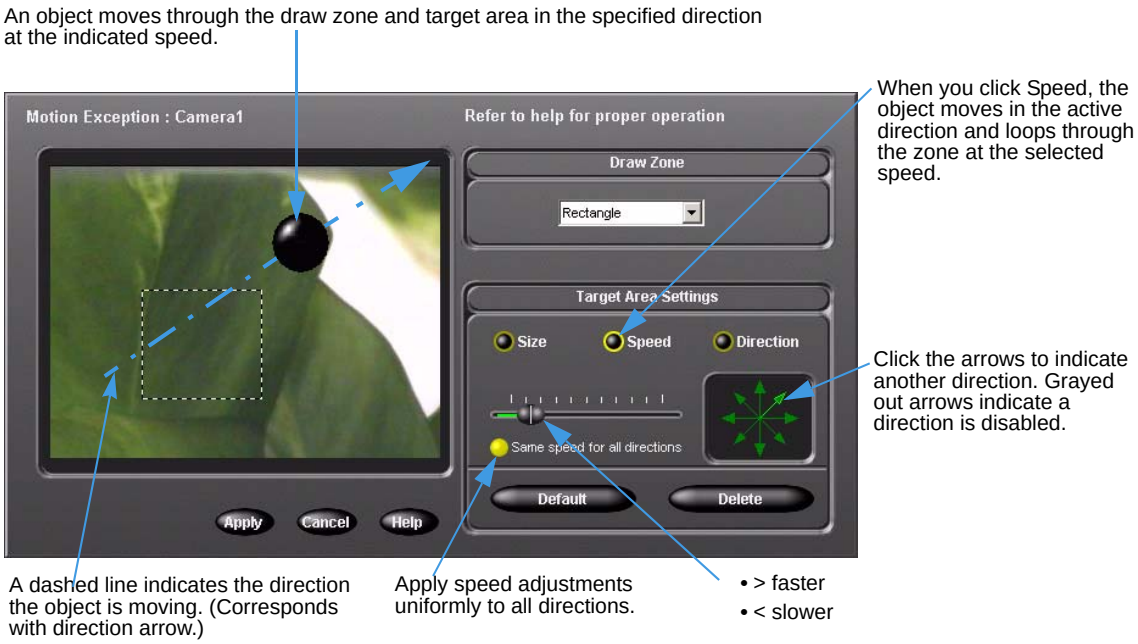
Direction arrows are 45° apart. When you enable multiple directions, you expand the directions in which you track the object. To account for variations when searching in one direction, select more than one arrow within the directional range.

Click to activate direction arrows.

Click one or more arrows to activate (highlight) or deactivate (gray out) a direction.

Specifying an Object's Minimum Speed

Click Speed to change an object's default speed. Objects moving faster than the selected speed trigger the alarm. The default direction is every direction.


An object moves through the draw zone and target area in the specified direction at the indicated speed.
Motion Exception : Camera1
Refer to help for proper operation
Draw Zone
Rectangle
Target Area Settings
Size
Speed
Direction
Same speed for all directions
Default
Delete
Apply
Cancel
Help
When you click Speed, the object moves in the active direction and loops through the zone at the selected speed.
Click the arrows to indicate another direction. Grayed out arrows indicate a direction is disabled.
A dashed line indicates the direction the object is moving. (Corresponds with direction arrow.)
Apply speed adjustments uniformly to all directions.
• > faster
• < slower

Environmental Factors

When using motion exception, consider:

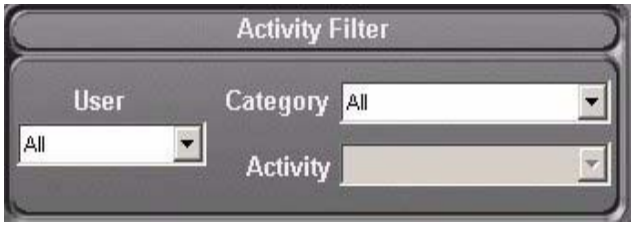
Factor	Comment/Recommendation
Background motion	Select a location with no continual background motion. For example, do not place the camera facing trees moving in the wind, a high traffic roadway, a TV monitor, etc.
Lighting	Sudden lighting changes, such as turning lights on or off, may trigger unwanted alarms.
	Avoid low light and harsh shadows.
	Too little contrast between an object and its background is usually due to poor lighting.
Objects moving too fast	Because Intellex interprets changes in an object's position over time, a fast-moving object may not be tracked accurately.
Reflections	Reflections of objects in windows, mirrors, or other surfaces are interpreted as other objects. If possible, place the camera so that there are no reflective surfaces in the camera's view.

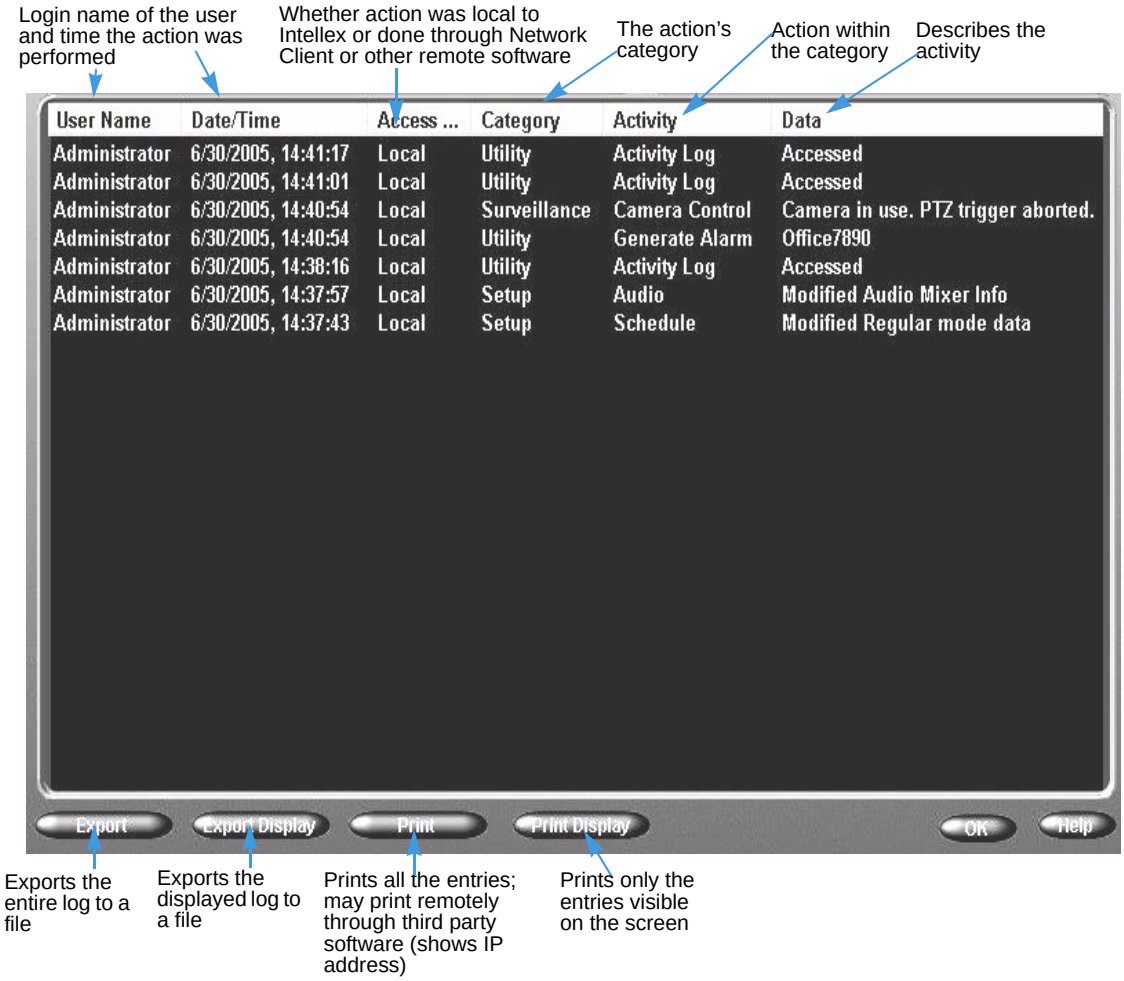
Factor	Comment/Recommendation
Occlusions and obstructions	Set up the camera such that no objects totally block (occlude) objects of interest in the camera's view. When someone walks behind something that totally blocks that person in the camera's view, Intellex predicts where the person will be next based on his speed when last seen. The more a person is blocked in the camera's field of view, the more prediction errors may occur. The Intellex can easily track a man walking behind a tree at a constant velocity, but not a man walking behind a building at a changing speed. An obstruction may partially block the camera's view; for example, a man walking behind a car may appear to be missing his lower body, and the Intellex notices that the size of the object that it was tracking has suddenly changed. When you configure alarms based on the size of an object, note that even a partial or temporary obstruction may lessen the reliability of alarms.
Camera's recording rate	If the rate drops below 7 ips, the reliability of object tracking is reduced.
Moving objects in the camera view on startup	Tracking quality is reduced until the Intellex unit can determine which elements are in the background and which are moving objects.
Camera's location	In a busy room, place the camera up high, with a 45–90° line of sight to the floor. If possible, aim the camera toward a motionless background.
Camera is too close to objects	A moving object must fit within 25% of the screen. Large objects are common indoors. Place the camera as far away as possible from the objects you are tracking.
Excessive video noise	Poor video feed or excessive signal boosting significantly reduce tracking quality.

Viewing an Activity Log

1. From the main screen, click Utility. The Utility Options screen appears.
2. Click Activity Log to view activity a user performs on the Intellex after logging in.
3. From the Range box, select a time frame. If you select Specify, select start and end dates and times for the filter**.**

4. Click Retrieve to see all activity meeting your criteria. Modify the results by defining User, Category, and Activity.




Login name of the user and time the action was performed
Whether action was local to Intellex or done through Network Client or other remote software
The action's category
Action within the category
Describes the activity
User Name
Date/Time
Access ...
Category
Activity
Data
Administrator 6/30/2005, 14:41:17 Local Utility Activity Log Accessed
Administrator 6/30/2005, 14:41:01 Local Utility Activity Log Accessed
Administrator 6/30/2005, 14:40:54 Local Surveillance Camera Control Camera in use. PTZ trigger aborted.
Administrator 6/30/2005, 14:40:54 Local Utility Generate Alarm Office7890
Administrator 6/30/2005, 14:38:16 Local Utility Activity Log Accessed
Administrator 6/30/2005, 14:37:57 Local Setup Audio Modified Audio Mixer Info
Administrator 6/30/2005, 14:37:43 Local Setup Schedule Modified Regular mode data
Export
Export Display
Print
Print Display
OK
Help
Exports the entire log to a file
Exports the displayed log to a file
Prints all the entries; may print remotely through third party software (shows IP address)
Prints only the entries visible on the screen

Monitoring Hard Drive Health

Intellex now offers a feature to monitor and anticipate whether a hard drive's health is failing, and if so, notify the user. The drive attributes that Intellex monitors are manufacturer-specific, so these vary for each user's system. Problems include reliability, temperature, and volume errors. If one of these screens appears, click Storage Setup.

Solutions include:

- Replacing the affected hard drive as soon as possible.
- To correct a temperature problem, make sure that the ambient air temperature around the Intellex case is less than 35°C (95°F), the internal cooling fans are operating properly, and there is adequate air flow around the case.

Note

The system also alerts the user via E-mail notification when it has detected an unhealthy drive. Refer to Setting Up E-mail Notification in the chapter on Configuring the Intellex in the Installation and Configuration Guide.

Exiting Intellex

Since Intellex uses the Windows operating system, to configure the regional, mouse, time zone, network, printer, and language settings, you must exit to Windows. In addition, you must exit from Intellex to Windows to change PAL/NTSC settings.

Note

Windows screens appear in English, regardless of the language version of Intellex. Consult Microsoft Windows Installation instructions for setting the operating system to another language.

Exiting to Windows is a protected feature. You must have the Exit to System privilege to access it.

Exiting to Windows

1. From the main screen, click Utility. The Utility Options screen appears.
2. Click Exit. A confirmation message appears.
3. Click Yes to exit to Windows. The Enter PIN Code screen appears.
4. Enter the system exit code. (Contact your dealer or system administrator for this code.)
5. Click OK to exit to the Windows operating system.

Index

A

Adjusting Target Area Settings 30
Advanced Search 23
Alarm Stage
  Generating Alarms 15
Alarms
  Clearing 15
  managing 15
American Dynamics Handler 26
Apply selected exceptions as a group 27
Archiving to Tape 18
Archiving Video 18
  Archive button disabled 18
  Archive button enabled 18
Area
  Image 5
Associating Text Streams with Cameras 26

B

Backing up images to tape after stopping recording 18
Backing up images to tape while recording 18
Build Exceptions 27

C

Call Mode 5
Camera
  Display 5
Camera handlers 10
  Types 10
Camera Sequencing 9
Checking Camera Status 7
Controlling a Dome Camera 10
Controls 4

D

Display
  Camera 5
  Mode 5
Dome camera
  Focus functions 10
  Iris functions 10
  Pan/Tilt Movement functions 10
  Zoom functions 10
Dome Configuration Menu 13

E

Exiting to Windows 35
Export to CD-R(W) 14

F

Finding Video Segments 8

G

General Text Handler 26
Generating Receipt Definitions 26
Generating Text Alarms 27
Grant of license iv

I

Image
  Area 5
Include player application on export media 14

J

Jog Shuttle Control 16
Jump N Results 27

L

License
  Software iv
License Information iv
License Key v
License, Grant iv
Logging In 3

M

Main Screen Overview 3
Mode
  Display 5
Motion Detection 28
Motion Exception 28
  Environmental Factors 32

O

Overview, Intellex SDK 21

P

Pattern
  definition 11
Pattern and Preset Camera Controls 11
Personal Identification Number 3
Playing Back Video Clips 16
Playing Restored Images 19
Preset
  definition 11
Preset Overlay View 12

R

Resetting Archive Flags 19
Restoring Images from Tape 19
Reviewing Alarms 15
  clearing all 15

S

Screen Format 5
SDK Overview, Intellex 21
Search
  Alarms 22
  Cameras 22
  Date/Time 21
  Filters 22
  String 23
  Text Streams 23
  With Image Filters 29
Search Mode 8
Setting Up the Target Area 30
  Speed 32
Setting up the Target Area
  Direction 31
  Size 31
Show customer entries 26
Show journal entries 26
Single Pane
  View 5
Slider Control 16
Spot Mode 5
Start Camera Sequencing
  Mapping 9
Status 7

T

Text Options 24

U

Utility Options 6

V

VCR Control 16
View
  Single Pane 5
Viewing Live Video 9
  Sequencing 9

Z

Zoom
  Image Area 5
Zooming in on an Image Area 5